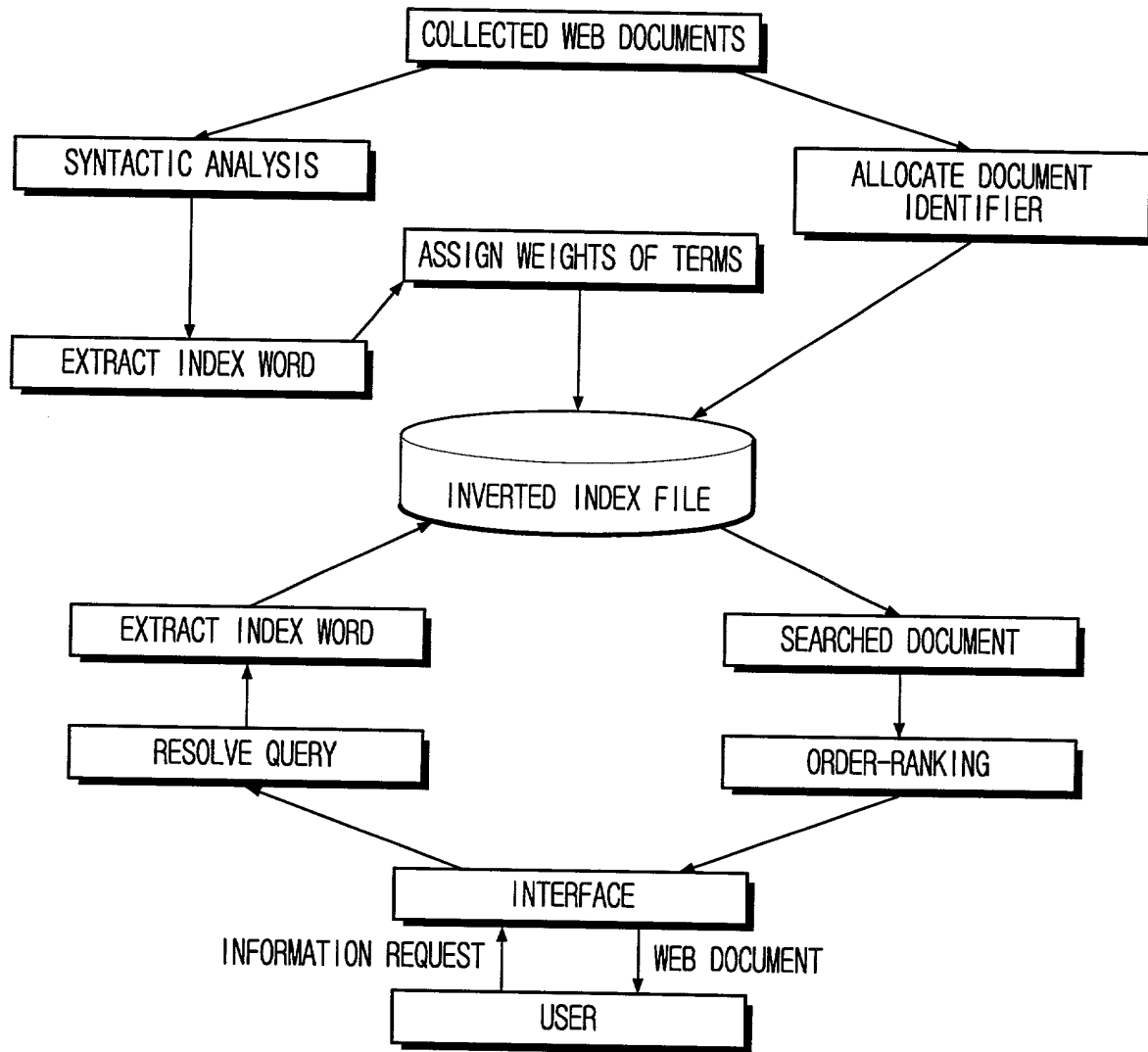


FIG. 1



0928150 "084004  
T0270" 052860

FIG. 2

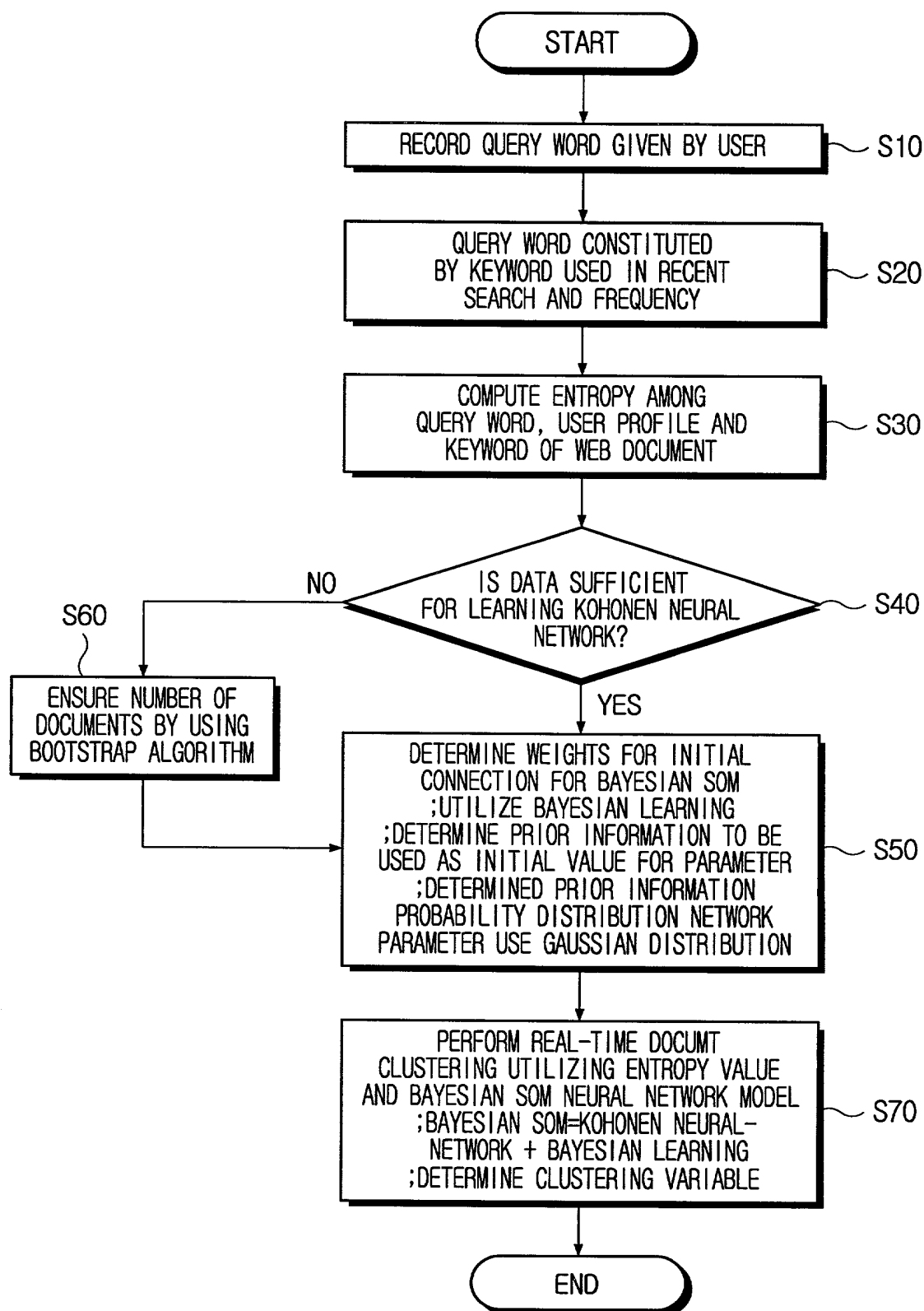


FIG. 3

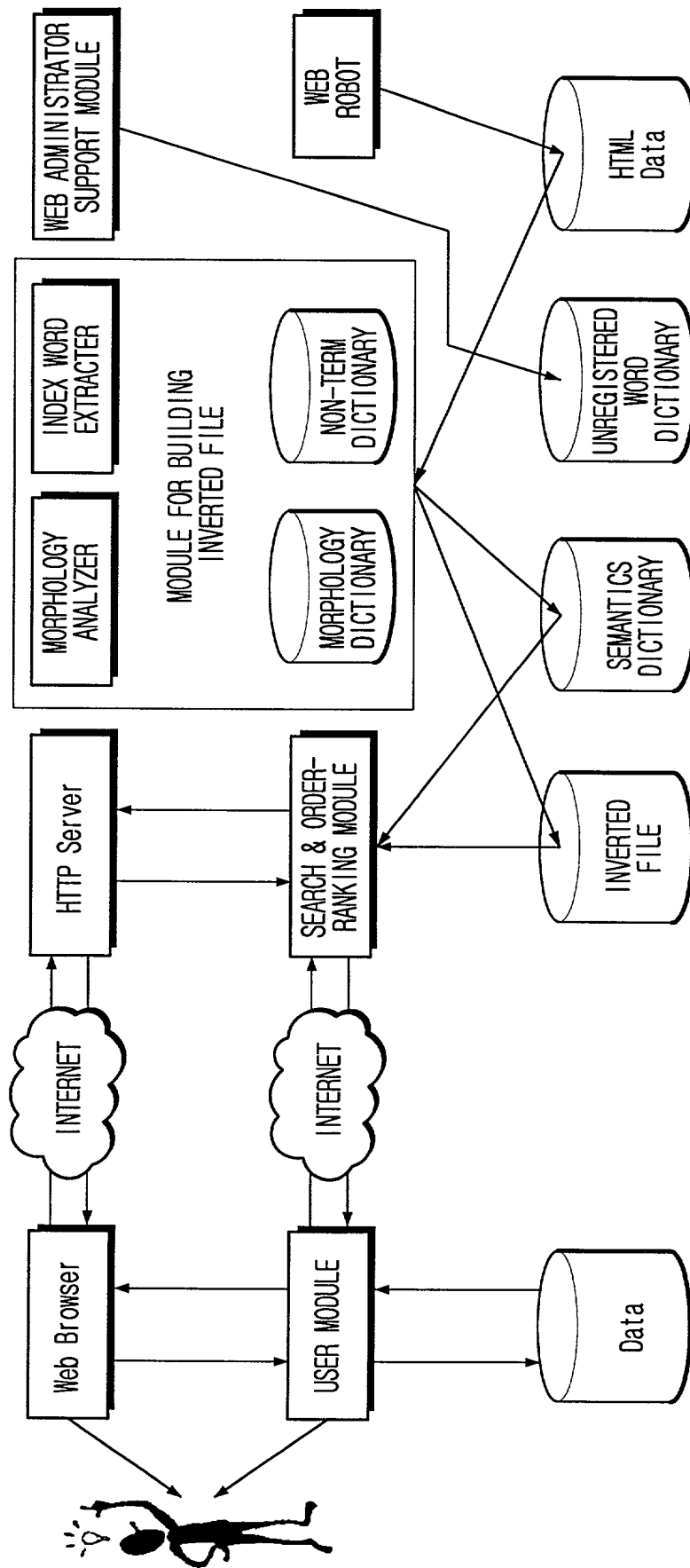


FIG. 4

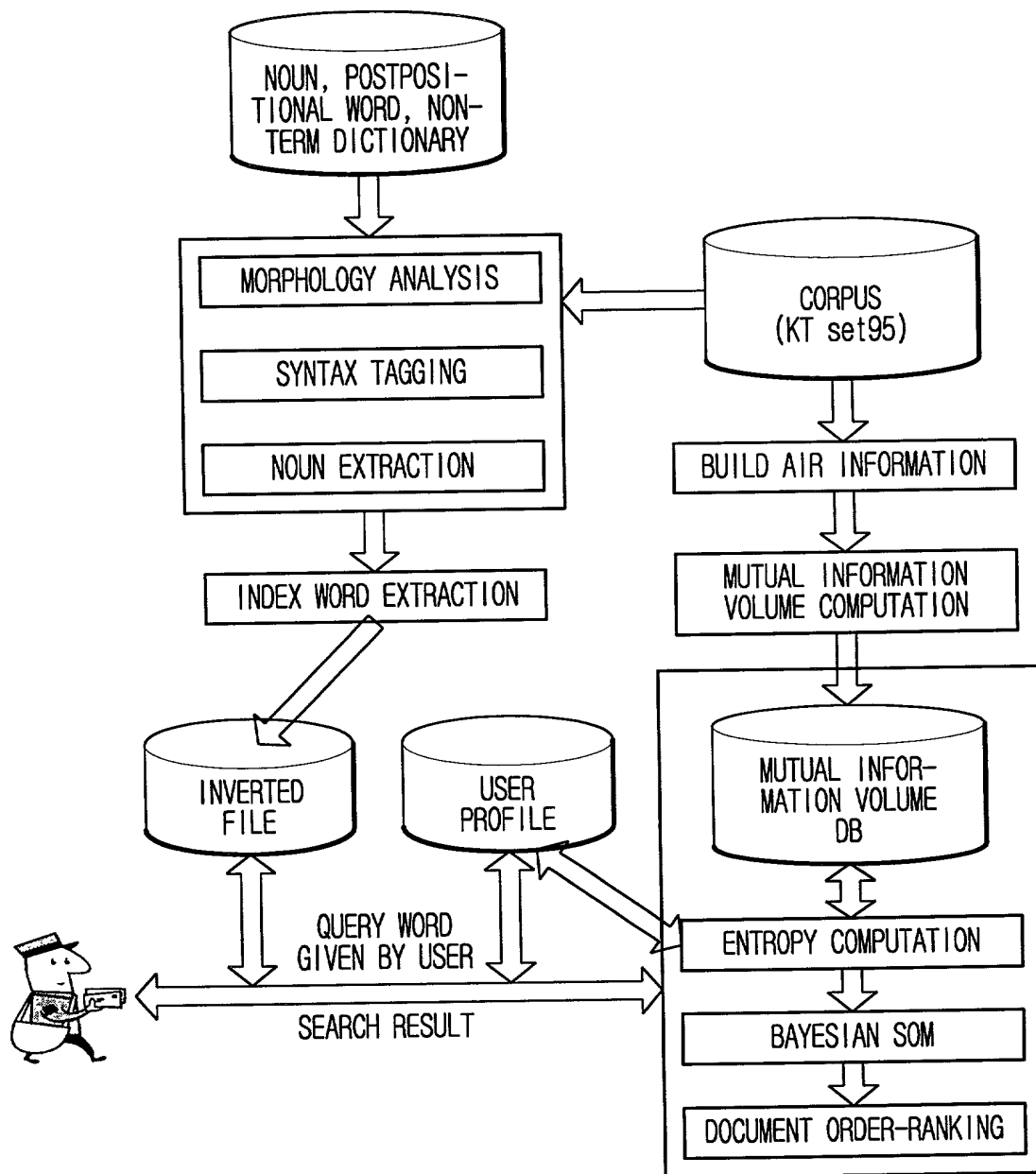


FIG. 5A

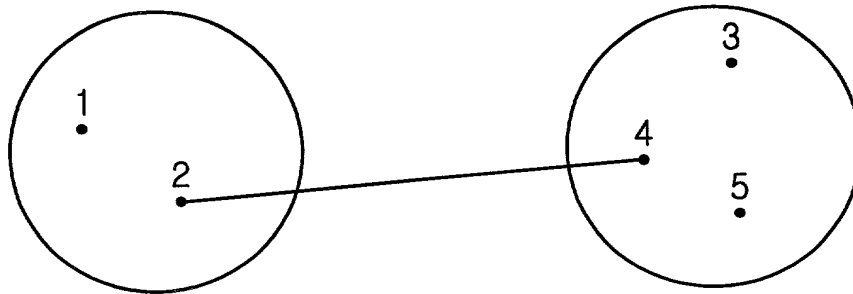


FIG. 5B

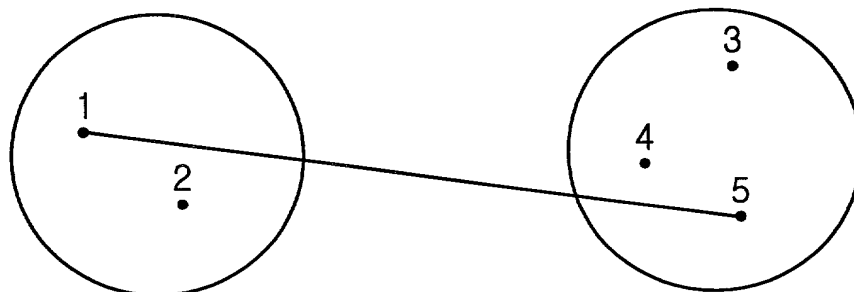


FIG. 5C

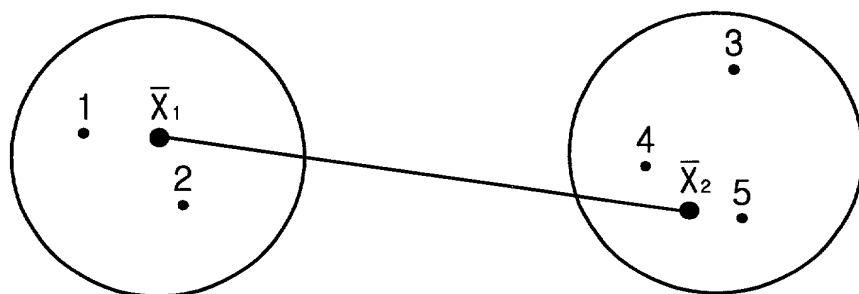


FIG. 5D

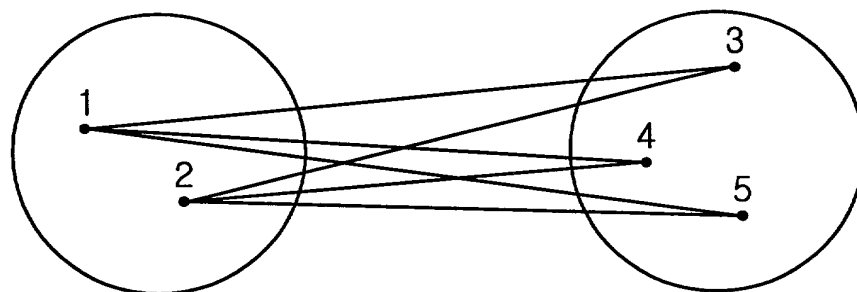
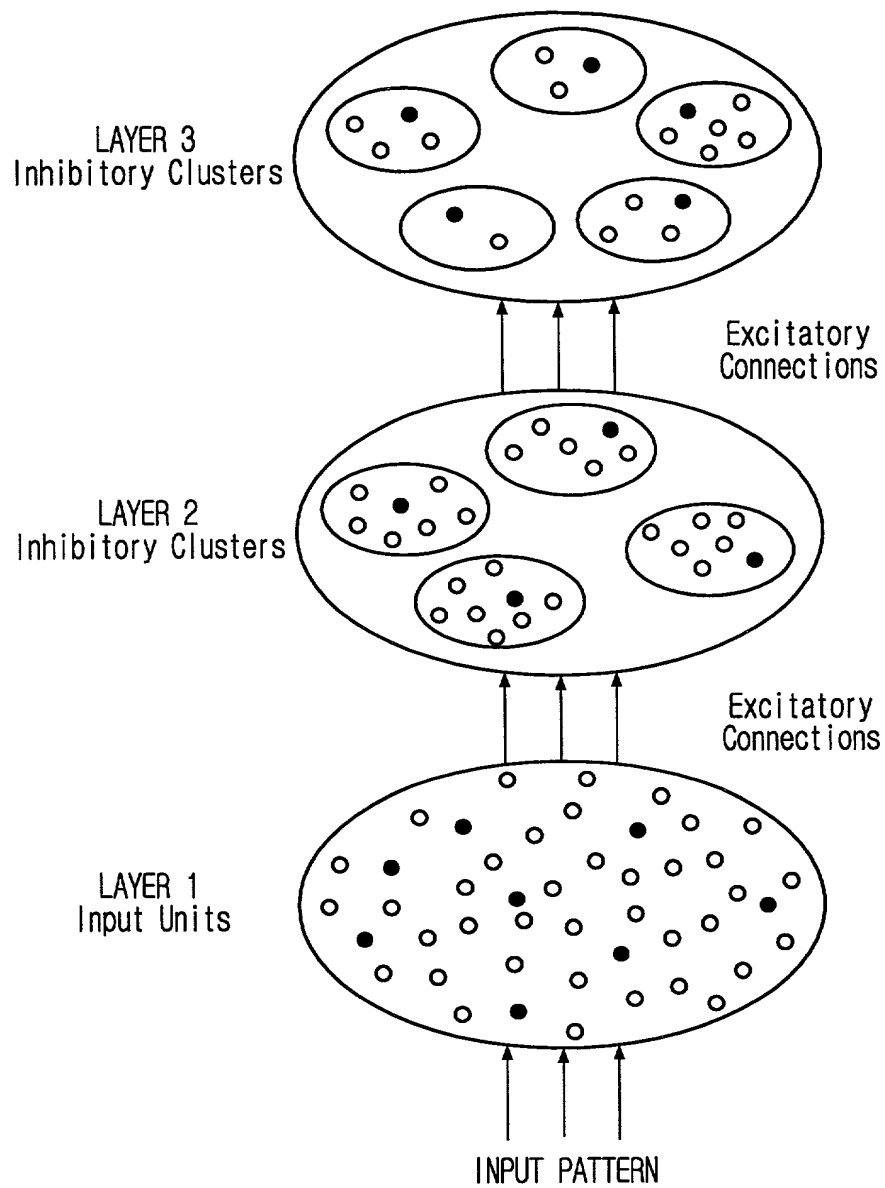


FIG. 6

Algorithm ClusteringofDocs(UserQryProfile[N], Ret\_Docs[N])  
// COMPUTE ENTROPY BY USING USER PROFILE AND KEYWORDS EXTRACTED  
FROM EACH DOCUMENT, AND PRODUCE DOCUMENT CLUSTER ACCORDING  
TO SIMILARITY  
Set i, j, k to 0  
for i = 1 to NumofRetDocs  
  for j = 1 to NumofQuery  
    for k = 1 to NumofTerms  
      DocMatrix[i][j] = CalcEntropy(UserQryProfile[j], Ret\_Docs[k]);  
  // COMPUTE P-NUMBER OF ENTROPY (KEYWORD, USER PROFILE), AND OBTAIN  
  MATRIX HAVING SIZE OF  $N \times P$   
  Call CalcSim(Return SimDoc[NumofRetDocs], DocMatrix[j+k]);  
  // COMPUTE DISTANCE MATRIX HAVING SIZE OF  $N \times N$  BETWEEN N-NUMBERS  
  OF DOCUMENTS  
for i = 1 to NumOfRetDocs  
  Call CreatCluster(Return DocCluster[NumofCluster], SimDoc[i]);  
  // FORM CLUSTER BASED ON DISTANCE MATRIX  
for j = 1 to NumOfCluster  
  Call CalcSim(UserQryProfile[NumofCluster], DocCluster[j])  
// OBTAIN DEGREE OF SIMILARITY BETWEEN EACH CLUSTER AND QUERY WORD  
GIVEN BY USER, AND EACH CLUSTER AND USER PROFILE  
End ClusteringofDocs

FIG. 7



0923150.081001  
T00180"05122660



FIG. 8

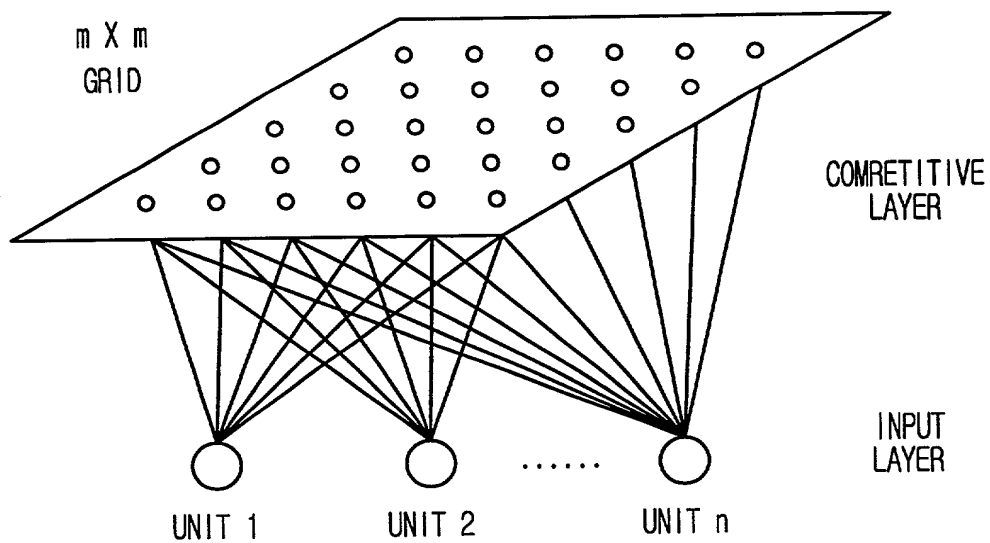


FIG. 9A

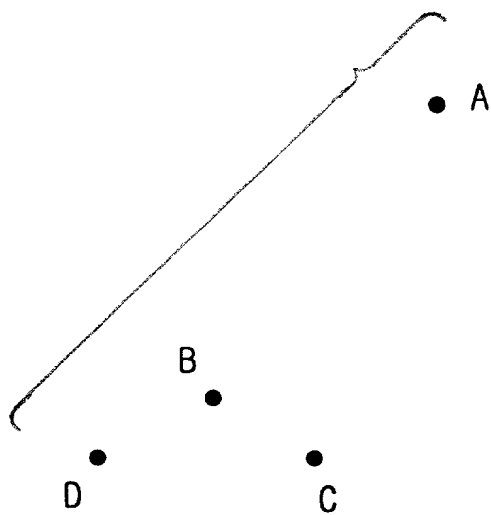


FIG. 9B

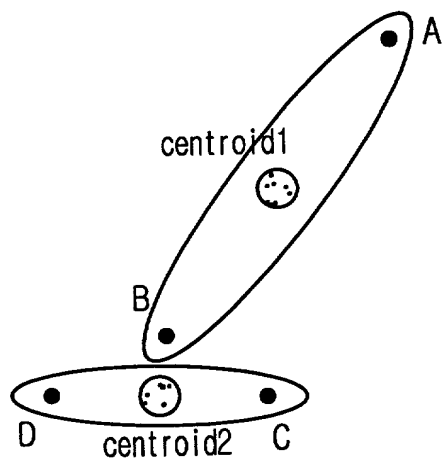


FIG. 9C

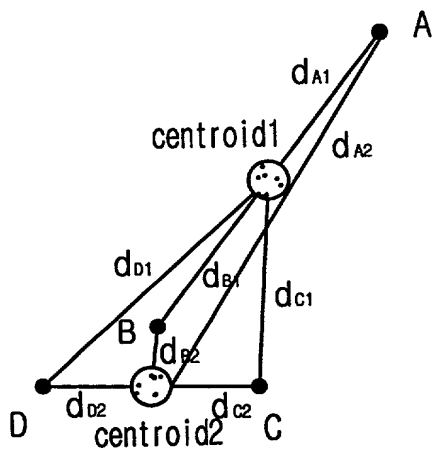


FIG. 9D

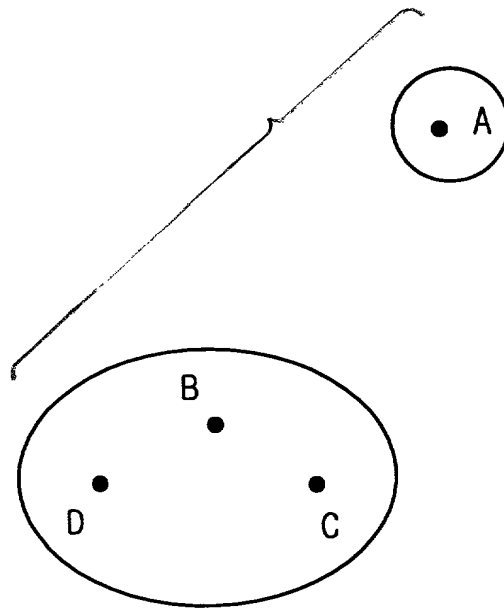


FIG. 10

